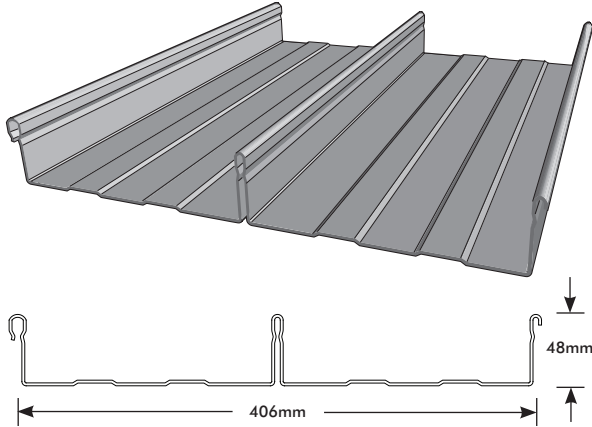


2.6 Snaplok™ 406



Snaplok™ 406 Material Specifications				
Property		0.55 BMT	0.70 BMT	Notes
Total Coated Thickness		0.60	0.75	TCT
Mass / Unit Length (kg/m)	ZINCALUME®	2.70	3.50	1000 / (m/Tonne)
	COLORBOND®	2.75	3.56	
Mass / Unit Area (kg/m ²)	ZINCALUME®	6.65	8.62	1000 / (m Mass/profile width)
	COLORBOND®	6.77	8.75	
Minimum Yield Strength		G300		Base Steel Designation
Coating Class		AZ150		Minimum Coating g/m ² of Zinc - Aluminium
Coverage (mm)		406		
Tolerance		Sheet Length ±7mm Cover Width ±2mm		
Thermal Expansion		2.9mm average per 5m at 50° C change		

Table 2.6.A Snaplok™ 406 Material Specifications

- Snaplok 406 is manufactured to AS 1397 and AS 2728 Cat. 3. It is to be installed in accordance with AS 1445, AS 1562, and HB39.

Load Span Tables

The allowable spans have been determined from tests carried out in accordance with the following Australian Standards (wind load available by region): AS 1562.1 :1992, "Design and installation of sheet roof and wall cladding - Metal" and AS 4040:1992, "Methods of testing sheet roof and wall cladding".

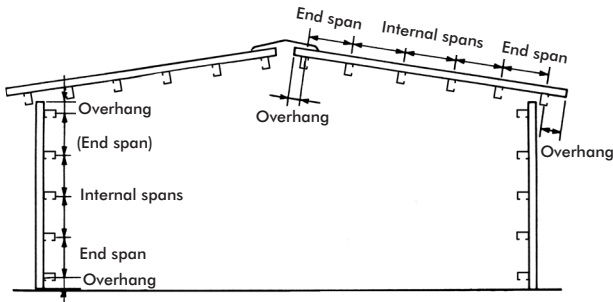


Figure 2.6.A End Spans, Internal Spans and Overhangs

Design Parameters*

Region A: Terrain Category 3
h = 10m

Maximum Recommended Span* (mm) Snaplok™ 406 Non Cyclonic				
Span Type	0.55 BMT		0.70 BMT	
	Roof	Wall	Roof	Wall
End Span	1650	1800	2100	2200
Internal Span	1900	2300	2400	2900
Stiffened Overhang	900	N/A	1200	N/A
Unstiffened Overhang	300	N/A	300	N/A

Table 2.6.B Snaplok™ 406 Maximum Recommended Span - Non Cyclonic

Concealed Fastening

Fasteners - Clip Fixing

Fasteners must be selected to match the life expectancy of the cladding material. Recommendations from fastener manufacturers should be sought.

Only fasteners complying with AS 3566:2002 and those that are compatible with the roofing material should be used for its fastening.

SnapLok™ 406 Clip Fixing - Non Cyclonic		
Fixing Supports	Without Insulation	With Insulation
Steel (up to 3.0mm)	10-16x25mm Metal Tek's hexagon head screws	10-16x25mm Metal Tek's hexagon head screws
Timber Hardwood	10-12x25mm Type 17 hexagon head screws	10-12x30mm Type 17 hexagon head screws
Timber Softwood	M5.5-11x40mm Batten Zips hexagon head screws	M5.5-11x40mm Batten Zips hexagon head screws

Table 2.6.C Snaplok™ 500 Clip Fixing - Non Cyclonic

Note: The above screws are for clip fastening only

Snaplok™ 406 Installation Procedure

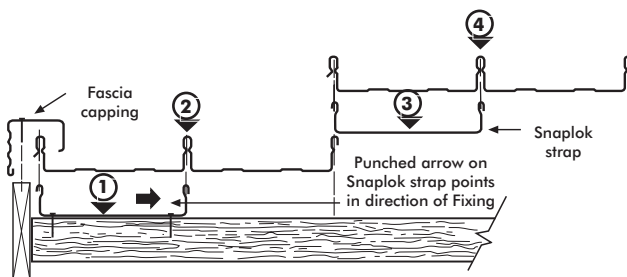


Figure 2.6.B Laying Procedure

Step 1

Fix the Snaplok strap onto the purlin, with the arrow on the strap pointing in the direction of fixing.

Step 2

Lay the first deck over the strap until the ribs snap onto the straps.

Step 3

Place another Snaplok strap onto the supports, latching it onto the female rib of the first deck.

Step 4

Position the second deck over the strap, as in Step 2. Repeat steps 3 to 4 until roof is complete.

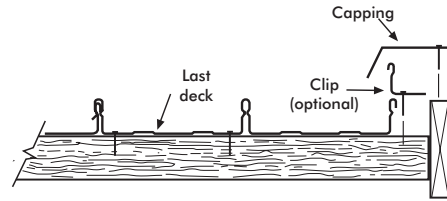


Figure 2.6.C Cappings on a Snaplok™ 406 Roof

Snaplok™ 406 Fixing Tools & Accessories

Below are some of the Snaplok 406 tool and accessories used during installation.

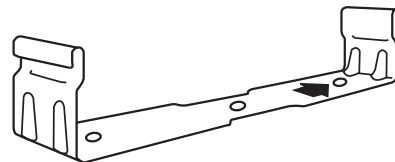


Figure 2.6.D Snaplok™ 406 Straps (nails included)

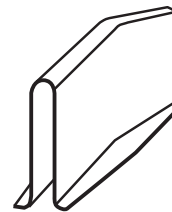


Figure 2.6.E Snaplok™ 406 Rib Cap (for pitches up to 12°)

Rib caps are used to seal the gap between sheets when installing on the ridge of the roof.

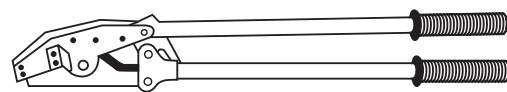


Figure 2.6.F Snaplok™ 406 Flashing Slotter



Figure 2.6.G Snaplok™ 406 Rib Sitter



Figure 2.6.H Snaplok™ 406 Sheet Ending Tool Incorporating Ender and Down-turner

The Snaplok 406 sheets can be stop-ended at the high end to prevent water from entering and turned down into the gutter with the sheet ending tool.

Turning of Roof Sheeting Ends

Refer to section 4.8 "Flashings, Cappings & Ends of Sheets".

SnapLok™ 406 Flashings & Details			
Masonry Parapet Side Wall (Low) Product Code: SL1	Masonry Parapet Side Wall (High) Product Code: SL2	Apron Flashings Product Code: SL3 GIRTH 330	Overflashing Product Code: SL4 Girth 112
Headwall Apron Flashing Product Code: SL5 Girth 350	Soaker Gutter Product Code: SL6 Girth 350	Soffit Corner Flashing Product Code: SL7 Girth 211	Shoe Flashing Product Code: SL8
Bracket Product Code: SL10	Valley Gutter Product Code: SL11 Girth 340	Under Over Flashing Product Code: SL12 Girth 330	Mansard Roof Flashing Product Code: SL13 Girth 330
Industrial Door Jamb Flashing Product Code: SL14 Girth 182	Apex Capping Type 1 Product Code: SL17 Girth 300	Apex Capping Type 2 Product Code: SL18 Girth 285	Back Channel Product Code: SL19 Girth 130
Barge Capping Steel Construction Product Code: SL20 Girth 300	Barge Capping Product Code: SL22 Girth 300	Framed Parapet Capping Product Code: SL23	Two Piece Step Flashing Product Code: SL24
Sliding Bracket Product Code: SL25			

Table 2.6.D SnapLok™ 406 Flashings & Details